

AWEX-G Forecast for Tuesday, Nov. 11 (Nov 12 UT)

Forecast (updated 6:50pm CST): Partly to mostly cloudy. Higher clouds tonight, 10 k-ft or above. Light winds from the south (below 10mph). **Effects of cold front (winds strengthening and swinging to the north) will probably not be felt until close to the end of operations tonight. Coverage of lowest cloud deck will increase during the period as cold front approaches.**

Synopsis: 00Z [surface analysis](#): Circulation established around low pressure over SE Colorado/SW Kansas with usual cold and warm fronts. Warm front extends from low pressure to Ks/OK border, then as stationary front thru SE Kansas.

[OK mesonet](#): Winds calm and variable. Tempps in the lower 60s with small dewpoint spreads. Drier air to the west - boundary located at east end of OK panhandle.

[Grant County forecast](#): Tonight. Mostly cloudy with a 20 percent chance of showers and thunderstorms. Lows around 50. Southeast winds around 10 mph shifting to the north after midnight.

[RUC cloud forecast](#): Nothing but cirrus overhead. Low clouds in vicinity (probably associated with thunderstorms as cold front moves through).

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Observations at SGP@00 Z: Some clouds moving in and we want to run early.

Decisions made at the 7pm AWEX-G meeting:

Cloudy! We may try the

- 1) ARM-90/80/Intermet/Sippican (1500g) (0230 UTC)
- 2) CUFH+92(GPS) (0230 UTC)

What actually occurred?

- 1) ARM-90/80/Sippican (1500g) @ 0300 UTC
- 2) CUFH+92(GPS) @ 02:31UTC

Lidars

SRL data 0200 – 0415. shutdown due to clouds and possibility of rain.
CARL ran throughout.

Demoz/Whiteman